

20001017.qrp v01_n977.qrl.20001017

Date: Tue, 17 Oct 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1977

QRP-L Digest 1977

Topics covered in this issue include:

- 1) [81421] Re: Antenna comparisons
by Michael Neverdosky <mneverdosky@earthlink.net>
- 2) [81422] Re: Antenna comparisons
by "George, W5YR" <w5yr@att.net>
- 3) [81423] NC-20 available @ Pacificon
by Mighty Mik <mightymik2@home.com>
- 4) [81424] Re: Antenna comparisons
by "Russ Hines" <radioruss@fuse.net>
- 5) [81425] Re: Warbler: KI6DS wants 2!!
by "George Heron N2APB" <n2apb@erols.com>
- 6) [81426] [PROP] M3 Flare today
by "Paul Harden, NA5N" <na5n@rt66.com>
- 7) [81427] Fw: Shack Cleaning--for sale
by Robert G Seymour <bobsey1@juno.com>
- 8) [81428] [OT] Qsling
by "Pastor-KC1DI" <elbc@pivot.net>
- 9) [81429] milliwatt measuring?
by Fran Flynn <fflynn@together.net>
- 10) [81430] PA QSO Party QRPP
by "Charles Mabbott" <crmabbott@mediaone.net>
- 11) [81431] Need A Few CUB FOXes
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 12) [81432] Pacificon Tickets?
by "K7FD-N7SG" <cqdx@teleport.com>
- 13) [81433] QRPP Missing pages
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 14) [81434] AM broadcast radio
by Dave Pomeroy <dave_pomeroy@voyager.net>
- 15) [81435] operating
by hamjoel@juno.com
- 16) [81436] RE: PCMCIA SoundCard - SOLD!
by Dave Redfearn <n4elm@home.com>
- 17) [81437] Boat-anchor Digital QRP HB :)
by Norman Young <norman_y@yahoo.com>
- 18) [81438] Re: FOX: Winter Hunt Schedule and Rules
by "Mark Hogan" <mhogan@email.msn.com>
- 19) [81439] PSK31(DigiPan) and TenTec Argo 556???

- by "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>
- 20) [81440] Re: AM broadcast radio
by "George, W5YR" <w5yr@att.net>
- 21) [81441] Re: AM broadcast radio
by n4qa@juno.com
- 22) [81442] Re: Warbler: KI6DS wants 2!!
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 23) [81443] Re: PSK31(DigiPan) and TenTec Argo 556???
by "Marty Purselley" <brewer@flash.net>
- 24) [81444] Re: Kitchin's regen Receiver
by Robert Perkins <rperkins@gte.net>
- 25) [81445] Thanks! Tickets at the door...
by "K7FD-N7SG" <cqdx@teleport.com>
- 26) [81446] AM BC RFI Problem?
by John R Kirby <n3aaz-qrp@juno.com>
- 27) [81447] Re: milliwatt measuring?
by Bill Lazure <n2tpa@juno.com>
- 28) [81448] Hamcalc
by George Murphy <VE3ERP@ENCODE.COM>
- 29) [81449] RE: milliwatt measuring?
by "AI2Q Alex" <ai2q@ispchannel.com>
- 30) [81450] RE: Antenna Comparisons
by Bill Coleman AA4LR <aa4lr@radio.org>
- 31) [81451] RE: [NJQRP] Re: Warbler: KI6DS wants 2!!
by "John L. Sielke" <w2agn@pobox.com>
- 32) [81452] 10m is HOT this morning!!
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 33) [81453] Re: Shack cleaning
by Robert G Seymour <bobsey1@juno.com>
- 34) [81454] Re: milliwatt measuring?
by Stephen Trier <sct@po.cwru.edu>
- 35) [81455] Re: AM broadcast radio
by William R Colbert <w5xe@juno.com>
- 36) [81456] Butternut vertical
by "Karl F. Larsen" <k5di@zianet.com>
- 37) [81457] Re: Pacificon Tickets?
by Jim Lowman <jmlowman@ix.netcom.com>
- 38) [81458] ARCI QSO Party (& others) this weekend
by Jim Hale <kj5tf@yahoo.com>
- 39) [81459] Michigan QRP Net
by ekwik@rtimail.com
- 40) [81460] RE: Butternut vertical
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 41) [81461] For Sale @ Pacificon
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 42) [81462] Re: Butternut vertical
by "George, W5YR" <w5yr@att.net>
- 43) [81463] RE: Kitchin's regen receiver

by "Joe Trombino" <w2kj@earthlink.net>
44) [81464] Re: WBL V22 Iambic paddle
by "Joe Trombino" <w2kj@earthlink.net>
45) [81465] Re: Antenna comparisons
by Curt Milton <wb8yyy@yahoo.com>
46) [81466] Re: Butternut vertical
by "Karl F. Larsen" <k5di@zianet.com>
47) [81467] RE: Butternut vertical
by "Karl F. Larsen" <k5di@zianet.com>
48) [81468] Re: Butternut vertical
by "George, W5YR" <w5yr@att.net>
49) [81469] RE:Butternut vertical
by Sam Billingsley <SBillingsley@usaninc.com>
50) [81470] Re: Butternut vertical
by "Bruce Kizerian" <kizerian@ced.utah.edu>
51) [81471] An SS Logging program
by Bcieslak@ra.rockwell.com
52) [81472] F/S Shack cleaning
by "Francis Callahan" <colcal@srv.net>
53) [81473] RE: Butternut vertical
by "David E. Shelton" <des@iolky.com>
54) [81474] Your Epiphyte Kit Order
by WA6GER@aol.com
55) [81475] PSK-80 Warbler
by "Alyn Backe" <va6cw@look.ca>
56) [81476] Re: PSK-80 Warbler
by "Karl B. Staddon" <ve6kbs@agt.net>
57) [81477] ARCI QSO Party Teams?
by "Mark Adams" <k2qo@hotmail.com>
58) [81478] Contest: QRPDUPE Program now sends CW from PC
by Brian Kassel <bkassel@dancris.com>
59) [81479] Hamcalc
by George Murphy <VE3ERP@ENCODE.COM>
60) [81480] Re: Amplifier kit?
by "Mike Branca" <w3irz@att.net>
61) [81481] Re: Amplifier kit?
by "Russ Hines" <radioruss@fuse.net>
62) [81482] Re: Hamcalc
by KF4YYD@aol.com
63) [81483] F/S: Ten-Tec ARGONAUT II
by W1XV@cs.com
64) [81484] Sweden looking for QRP QSOs
by Dean W Manley <kh6b@juno.com>
65) [81485] Re: Butternut vertical
by DYARNES@aol.com
66) [81486] Many thanks
by Drbob92031@aol.com
67) [81487] QRP Web Ring Page Moved

by Thom LaCosta <baltimoremd@baltimoremd.com>
68) [81488] FS Antennas
by E L D <wd7y@pyramid.net>

Date: Mon, 16 Oct 2000 22:59:52 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81421] Re: Antenna comparisons
Message-ID: <39EB4218.36BF93@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Allan G Taylor wrote:
> Check out the
> contest winners in QRP categories. Do they use verticals?

Having won the North Florida Section, QRP class in the last
CW Sweep Stakes using a vertical, I must add a comment.

Get on the air!
Put us an antenna, any antenna.
Get a rig, and key and antenna tuner if needed.
Operate.

Start improving all of the above items.

BTW Remember to send in your logs.
I won NFL section with ONE contact.

Yes, a balanced, horizontal antenna is likely to be much
better than a vertical in most conditions but anything is
better than nothing.

72 de N6CHV michael (not so hot tester in FL)

Date: Mon, 16 Oct 2000 18:03:30 -0500
From: "George, W5YR" <w5yr@att.net>
To: k7gt@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81422] Re: Antenna comparisons
Message-ID: <39EB8942.FCBCBA12@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have to agree with Allen.

I have a Butternut HF9V in the backyard over 60 ground radials. Not too shabby for a vertical installation! <:}

Last Saturday with 10 meters wide open, I was chatting with a station in Los Angeles using my 20-meter EDZ wire antenna up about 33 feet. On 10 it has pretty good lobes N, E, S, and W although the input power is split four ways, of course.

I compared the HF9V with the wire antenna with two different stations - one in LA the other in San Diego - and both saw a 2 S-unit difference between the two.

Considering that as little as 1/4 of the power to the wire antenna was being radiated, compared to full power to the vertical (but spread out in all directions) one would expect a tossup between the two. I was surprised at the 2 S-unit difference.

Whenever possible I use my wire antennas on all bands and generally find that they outperform the vertical, sometimes slightly and other times significantly. On the odd occasion, however, especially on 40 meters, the vertical will do better on DX and other low-angle signals so it is earning its miniscule real estate. I got the HF9V mainly to have a standby antenna for all bands up through 6 that was on the ground and unlikely to be damaged by any weather. It is very convenient for many purposes and, again, earns its keep.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Allan G Taylor wrote:

>

> I have had a direct response to my post asking relevance.

>

> The message was implicit: If you want to play QRP games on the
> higher bands, get up a horizontal antenna as high as you can. And
> multielement horizontal antennas are even better. Check out the
> contest winners in QRP categories. Do they use verticals? For that
> matter, did the consistently successful FOXHUNTERS on 20m this summer
> use verticals? Nope. After one FOXHUNT try on 20m with the trap
> vertical at home, I decided there were better ways to spend my time.

>
> A vertical antenna on the higher bands is much better than a light
> bulb (see N6BT QST article) but unless constrained by real estate
> and neighbor considerations, by all means go HORIZONTAL. After all,
> theory predicts that a serious yagi on high HF is better than a
> trap vertical by about as much as the trap vertical is better than a
> lightbulb.
>
> 73 and out for now..
>
> K7GT

Date: Mon, 16 Oct 2000 16:07:10 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81423] NC-20 available @ Pacificon
Message-ID: <5.0.0.25.0.20001016155828.0205bb20@24.0.0.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a NC - 20 club kit i'm not using at the moment, so i'm bringing it to Pacificon to sell. It's in the aftermarket black anodized case, has the 10 turn pot, and it has a TICK-4 keyer chip!!

warning! i built it for use with a transvertor, so the VFO goes from 14.002 to 14.194. it comes with the manual, so you can mod it back.

if interested, email me. U pick up = no shipping.

I'm asking \$150 for it.

Date: Mon, 16 Oct 2000 19:11:15 -0400
From: "Russ Hines" <radioruss@fuse.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81424] Re: Antenna comparisons
Message-ID: <006201c037c6\$64934800\$122044d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wouldn't assume a vertical antenna has "no gain." ;-)

Alan compares a directional high-gain antenna vs. an omnidirectional medium-to-low-gain antenna. There's perhaps some polarization issues tossed in, but he makes an interesting observation.

73,
Russ
WB8ZCC
radiatoruss@fuse.net
wb8zcc@arrl.net

----- Original Message -----
From: <DYARNES@aol.com>

> In a message dated 10/16/00 2:00:21 PM US Mountain Standard Time,
> k7gt@qsl.net writes:
>
> << On higher bands,
> horizontal beats verticals in almost all situations, by ~1 S unit,
> perhaps more. And a good beam will add a bunch more to that.
>
> 73 and put up horizontal antennas above the 30m band!! >>
>
> Well, I have to disagree with your conclusions, or at least the way you
state
> your conclusions. It's not so much "Horizontal" beating "vertical" as it
is
> "gain" antenna beating "non-gain" antenna! The other significant factor I

Date: Mon, 16 Oct 2000 19:21:04 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [81425] Re: Warbler: KI6DS wants 2!!
Message-ID: <00a001c037c8\$fde05be0\$0100000a@gheron>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In answer to the many excited email queries ... yes, I'll be bringing as many of the NJQRP PSK-80 Warbler kits with me as I can possibly carry on the airplane!

Thank you all for the interest. PSK31 is a very cool mode, and it's now even easier to get on it with another very cool NN1G design.

73, George N2APB
n2apb@amsat.org

PS: And I've corrected the link from our webpage
(<http://www.njqrp.org/warbler/>) to the "sneak peek" page that NN1G put up
on Small Wonder Labs' page (http://www.smallwonderlabs.com/NJ_Warbler.htm)

----- Original Message -----

George, I would like two of the Warble Kits. Please bring them to
Pacificon!! Will you be bringing a bunch with you?? We are anxious to
hear!

[snip]

72, Doug

Date: Mon, 16 Oct 2000 17:40:47 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [81426] [PROP] M3 Flare today
Message-ID: <Pine.SUN.4.10.10010161722110.22813-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

There was an M3 flare today, accompanied by a huge CME and proton event.
You may hear about it from other sources. However, it all appears to
have come from an area just barely on the back side of the sun and thus
the chances of of the CME hitting the earth are very slim.

This flare also produced copious amounts of energetic protons in the
10MeV range. This means these solar protons, from the flare site, are
traveling about the speed of light, also known as "relativistic
protons." A slow speed onslaught of protons can cause geomagnetic
disturbances and polar cap absorption in the higher latitudes. However,
relativistic protons don't cause these same problems. They tend to act
more like ionizing radiation at these speeds.

To see this, goto www.sec.noaa.gov/today.html

You will see the onset of today's long duration (hours) M class flare around 0700 UTC on the GOES satellite x-ray plot. Scroll down a bit to the Satellite Environment plots that shows the K-index, electron flux and proton flux. You will note the proton flux takes off about an hour after the M3 xray energy occurs. With a travel time of about an hour, these protons are moving ABOUT the speed of light, or at least FAR faster than the normal 3-day travel time to get here. Such energetic protons bring concerns to satellite operators, but has virtually no effect to HF radio.

10M was wide open this weekend. Hope some others of you enjoyed it.

A few comments below on today's solar/geomagnetic report from NOAA:

72, Paul NA5N

On Mon, 16 Oct 2000, Space Environment Center wrote:

> Joint USAF/NOAA Report of Solar and Geophysical Activity
> SDF Number 290 Issued at 2200Z on 16 Oct 2000

> IA. Analysis of Solar Active Regions and Activity from 15/2100Z
> to 16/2100Z: Solar activity has been moderate. The largest event of
> the day was an LDE M2 flare at 16/0728UT (1.75 hr), with associated
> Type-II and Type-IV radio sweeps. SOHO/LASCO and EIT imagery
> suggest a CME source behind the west limb - most likely Region 9182,
> at about N04W105.

LDE = long duration event

Type II and IV sweeps indicates an escaping shockwave was associated with this flare. But as noted the source was behind the west limb, the earth is NOT in the trajectory path.

SOHO/LASCO are solar imaging satellites.

> IB. Solar Activity Forecast: Solar activity is expected to be
> predominantly low, with an isolated chance of moderate-level
> activity for the next three days.

> IIA. Geophysical Activity Summary 15/2100Z to 16/2100Z:
> The geomagnetic field was quiet to active. Coronal hole high speed
> stream effects were evident, but produced only one active period
> during 16/00-03UT. A 10 MeV solar proton event associated with the
> M2 LDE commenced at 16/1125UT, and remains in progress.

> IIB. Geophysical Activity Forecast: The geomagnetic field is

> expected to be mainly quiet to unsettled through day one, with some
> possibility of isolated active conditions due to waning coronal hole
> effects. The greater than 10 MeV SPE currently in progress is
> expected to end during day one. A greater chance of active levels
> during day two may result from flanking passage of a CME-associated
> shock from the LDE M2 flare discussed above. Quiet to unsettled

SPE = Solar Proton Event, as discussed above

The huge CME with this flare *may* produce some offshoot material that could hit the earth, off-trajectory, to disturb our geomagnetic field, but NOAA calling it "active" conditions means the effects will be small to minimal, if even noticed other than by the proton/solar wind sensors on satellites. I doubt it will effect the HF bands.

> PCAF green

No polar cap absorption (Green), so no signal degradation or absorption expected for hams in Canada/Alaska.

> IV. Penticton 10.7 cm Flux

> Observed 16 Oct 161 <----- today's solar flux

> Predicted 17 Oct-19 Oct 160/165/175

> 90 Day Mean 16 Oct 175

> V. Geomagnetic A Indices

> Observed Afr/Ap 15 Oct 009/008

> Estimated Afr/Ap 16 Oct 011/010

> Predicted Afr/Ap 17 Oct-19 Oct 010/010-012/015-008/010

Basically quiet to unsettled conditions (normal!) for the next 3 days on the lower bands.

Date: Mon, 16 Oct 2000 19:05:21 -0700

From: Robert G Seymour <bobsey1@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [81427] Fw: Shack Cleaning--for sale

Message-ID: <20001016.190524.-180703.0.Bobsey1@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Thanks to all who responded! It will take me awhile to get it all sorted out. And to top it off, I have a family emergency which may delay even

further. Appreciate your patience. There was more than one response to some items so I will try to take them in order of receipt.
72 and tnx. Bob

----- Forwarded message -----

From: Robert G Seymour <bobsey1@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Sun, 15 Oct 2000 15:17:43 -0700
Subject: Shack Cleaning--for sale
Message-ID: <20001015.151744.-169085.1.Bobsey1@juno.com>
Reply-To: bobsey1@juno.com
Received: from mx2.jersey.juno.com (mx2.jersey.juno.com [64.136.16.52])
by m11.jersey.juno.com with SMTP id AAA68WEPJAH8JEQJ
for <bobsey1@juno.com> (sender <owner-qrp-1@Lehigh.EDU>);
Sun, 15 Oct 2000 16:20:56 -0400 (EST)
Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])
by mx2.jersey.juno.com with SMTP id AAA68WEPGAWJ393J
(sender <owner-qrp-1@Lehigh.EDU>);
Sun, 15 Oct 2000 16:20:54 -0400 (EST)
Received: from localhost ([127.0.0.1]:46346 "HELO astro.CC.Lehigh.EDU")
by astro.CC.Lehigh.EDU with SMTP id <76753-24835>; Sun, 15 Oct 2000
16:18:09 -0400
Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:26512 "EHLO
nss4.cc.lehigh.edu") by astro.CC.Lehigh.EDU with ESMTP id <76429-24835>;
Sun, 15 Oct 2000 16:17:54 -0400
Received: from m11.jersey.juno.com (m11.jersey.juno.com [64.136.16.74])
by nss4.cc.lehigh.edu (8.9.3/8.9.3) with ESMTP id QAA270880
for <qrp-1@Lehigh.EDU>; Sun, 15 Oct 2000 16:17:51 -0400
Received: from cookie.juno.com by cookie.juno.com for
<"WnJvxYUoTt4K8605JDhZiWkHNWvLNye6FOaIqj+IoSkx1+jRQ4SsSA==">
Received: (from bobsey1@juno.com)
by m11.jersey.juno.com (queuemail) id FLFT6WXS; Sun, 15 Oct 2000
16:17:26 EDT
X-Mailer: Juno 4.0.11
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
X-Orcpt: rfc822;qrp-1@listserv.cc.lehigh.edu
Precedence: bulk
Sender: owner-qrp-1@Lehigh.EDU
Return-Path: <owner-qrp-1@Lehigh.EDU>
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

Making room for other projects..

FS--The following Oak Hills Research items.

1. DD1 Digital dial. Use with OHR, or other rigs or a stand alone counter, good to 50 MHZ. Has 4 memories for different rigs. Presently set

up for OHR. Good condx. \$50.00

2. SCF-1A. Switched Capacitor Audio Filter. 2440-108 HZ in 6 steps. Good condx. \$50.00.

3. QRP CLASSIC two band 20 and 40 meter transceiver. Has built in Curtis Keyer with speed control on front panel. Minor scratch on top. Offset could use a little tweaking. 5 watts on 20, 7 watts on 40. I have added a VFO output on the rear panel so the DD1 could be used with this rig. Also a switched DC output has been added for the DD1 to eliminate the need for another wall wart. \$150.00.

4. OHR 100A 30 meter transceiver. 5 watts. Excellent condx. I have also added a switched DC output to this radio for the DD1. It already had the VFO output. \$95.00.

All the above with manuals.. Plus shipping. Will sell all as a package for \$320.00 plus shipping.

ALSO--I have the following variable capacitors.

1--3-section BC variable 350+pf/section

2--2 section BC variable " "

1--Dual bearing transmit variable for pair 6146. Appears to be 250 or more pf. Made by Hammarlund.

1--2 section transmit variable. .05" plate spacing. At least 100 pf per section.

3--100 pf variable by Millen. Double bearing, silver plated plates. From Sig.Corps surplus wavemeter.

2--APC variable 1/4"shaft. Cap unknown but appear to be 70-100 pf.

5-- VHF air variables by E.F.Johnson. Various capacities from 10pf to approx. 50pf. 3/16 shaft. Panel mount but one is short mtg. hardware.

All for \$25.00 plus shipping or tell me what you need and we can negotiate.

ALSO--for those who are playing with 160 meter antennas.

1--Rotary inductor..made by Barker & Williamsaon

Overall dimension 9"by 3 3/4 " by 3 1/4 "

Coil 2" diam. by 5 1/2" winding length.

66 turns.

By formula it appears to be 68 micro h.

\$10.00 plus ship.

1. Variable cap. Dimensions 7" long by 2 1/2"

As close as I can measure with my DVM, the capacity is 600 pf. .05 plate spacing.

\$10.00 plus ship.

72/73, Bob, W0LK in Arkansas
e-mail bobsey1@juno.com

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Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 16 Oct 2000 21:08:07 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [81428] [OT] Qsling
Message-ID: <001301c037d6\$b6731be0\$0100a8c0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,
Don't know how many of you may be familiar with a great little online qsl
service
where you can swap electronic qsl's free
take a look at it at
www.eqsl.org

73 dave kc1di

Date: Mon, 16 Oct 2000 21:09:36 -0400
From: Fran Flynn <fflynn@together.net>
To: qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [81429] milliwatt measuring?
Message-ID: <39EBA6D0.DADA192E@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry S Cahoon <wd3p@juno.com>, wrote:

...

> I did go
> up to 500 mWatts a few times. I went down to 10 mWatts for one QSO. The
> main rig was the Sierra on 40 meters.

When I need to measure power at that low a level I have to hook up my Tek 465 scope and measure p-p voltage into a 50ohm load, then punch numbers on a calculator for a little while. It seems like you must have a more convenient means of getting a power measurement. What's an easy way to measure milliwatts?

Thanks!

Km1z - Fran

Date: Mon, 16 Oct 2000 21:42:11 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "QRP-Post \ (E-mail\)" <qrp-1@Lehigh.EDU>
Subject: [81430] PA QSO Party QRPp
Message-ID: <000201c037db\$77ea8e80\$59098318@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,
I had a blast. Only had about 15 minutes but it was fun. I found I was popular when they heard county 'Wayne' but alas they were looking for Wayne county PA. I was MI. Signals were solid and easily copied. Worked some SSB and CW.

If you haven't tried this, it's a keeper. On my calender for next year.

73 oo,
Chuck AA8VS
MI-QRP #M1212
Firebird PIN #2117
FPQRP-113
TSRAC #3952
QRP-C #192
QTH Canton, MI

--- Larry S Cahoon <wd3p@juno.com> wrote:

> Date: Mon, 16 Oct 2000 00:39:50 +0100
> Reply-to: wd3p@juno.com
> From: Larry S Cahoon <wd3p@juno.com>
> To: "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Subject: PA QSO Party QRPP
>
> Well the contest this year is history. I ran it for
> fun. The real goal
> was to work the last four counties I need in the
> state QRPP. I got only
<snip>

Date: Mon, 16 Oct 2000 21:48:55 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, "Karl F. Larsen"
<k5di@zianet.com>, "John Wagner" <john@neketnetwork.com>
Subject: [81431] Need A Few CUB FOXes
Message-ID: <200010162149_MC2-B730-E8EA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

We have a GREAT start on the FOX Cub Hunt.....but need a few more Cub
FOXes. Sure would like to have enough for two Cub hunts per week. If Y0=
U
are interested becoming one of our Cub FOXes, please check the Cub Hunt
guidelines at <http://www.qsl.net/k5di/fox/>. Then drop me a line and we'=
ll
go from there.

Would also welcome nominations, as well. Please have your nominee contac=
t
me ASAP via e-mail.

Thanks to the regular FOX hunt committee for their advice, support and
encouragement for this companion hunt. It is not competition for the
regular hunt, but is designed to help folks improve their skills. It
should be a lot of fun, also :-).

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

BTW, if you have someone you would like to nominate, please let me know. =

Thanks, one and all.

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Mon, 16 Oct 2000 18:53:58 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [81432] Pacificon Tickets?
Message-ID: <001301c037dd\$1e897980\$8e241ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone gotten theirs yet? Haven't seen anything here...

73 John K7FD

Date: Mon, 16 Oct 2000 18:40:52 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L Message" <qrp-l@Lehigh.edu>
Subject: [81433] QRPp Missing pages
Message-ID: <003201c037de\$36384a60\$97ac30d0@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Received the Summer 2000 QRPP today. Another great issue, but find pages 33 thru 36 of Mike Gipe's article missing. I can live without them if I'm the only one but you may be able to catch some unmailed issues if it's a general slipup..
Floyd NQ7X Phoenix,AZ ScQRPion DM33uq

Date: Mon, 16 Oct 2000 22:13:36 -0400
From: Dave Pomeroy <dave_pomeroy@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [81434] AM broadcast radio
Message-ID: <39EBB5D0.124E1D9B@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

My wife found a house she wants to buy next to a 5KW 1360Khz broadcast station. I'm looking for any advice or experience having to do with this situation. I'm wondering if everytime I turn my beam on my tower toward Europe I'm going to get my receiver overloaded. Any advice or info.

Thanks in advance.

--
Dave Pomeroy K8DNP SouthWest Michigan

Date: Mon, 16 Oct 2000 22:02:37 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [81435] operating
Message-ID: <20001016.220238.-184761.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High Y'all, yea it's me again Susan...

did some cw messing on the air tonite.... AA3UR... U shoulda heard what he said about me.... somebody musta lied to him... hee hee..

he was using 2 whats

W4REI

N3IVT

KG2PE...5 WHATS

WW2D.... A REAL OT.... 84YRS OLD... STARTED 1930

KB1EKD... MFJ 9040 into a dipole

what a thrill, one qso after the other... and the k2 filters made it sound like each station was the only one on the air... sure make for nice copying....

I locked my xmtr freq and monitored spectogram to pull the stations right in the middle of the 50hz bandpass filter with the RIT control... actually I started with 700hz and went down as needed...

Winter is a great time for me up heah... the tilting of the planet does funny things with probagation and it's better in the winter than summer for straight down south... guess the rf wants out of the cold.:-)

oh I was on 7.043.32 or so...and the cw speed went from about 20 wpm to about 7 wpm... a great variety... most interesting people get on cw... never kneaux what might be "talked" about...

kella joel

in maine

"it's a hobby, not a hubby" says my cajun mama.... :-)

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Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Mon, 16 Oct 2000 21:26:40 -0500

From: Dave Redfearn <n4elm@home.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [81436] RE: PCMCIA SoundCard - SOLD!

Message-ID: <39EBB8E0.56EA52C4@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The PCMCIA SoundCard has been spoken for.

Thanks for the response.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX

Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)

QRL? de N4ELM/qrp

Date: Mon, 16 Oct 2000 19:48:53 -0700 (PDT)
From: Norman Young <norman_y@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [81437] Boat-anchor Digital QRP HB :)
Message-ID: <20001017024853.21439.qmail@web2001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Gang,

I receive the list in digest form, and for some time now I have been wanting to write a program that would get rid of all the extra header lines, along with the banner files for Yahoo, Juno, etc., at the end of some of the messages. This weekend, I sat down and wrote a program in QuickBasic 4.5 to do that, and then converted it to GW Basic.

I chose to go back to GW Basic, even though it is old, because (1) George Murphy uses it on his (highly recommended) HamCalc, and anyone who has that already has gwbasic.exe, and (2) because if you don't already have gwbasic.exe, it is also available from Microsoft's website for download.

There is nothing special or fancy about this program, and in fact, it may not even be a good example of how to write code. However, it met a need for me, and I thought it might also be useful to other digest recipients. Accordingly, I am reproducing the listing below for anyone who wants to play with it, and you may consider it in the public domain.

Essentially, you will need to save the daily digest as a text file, and then run this program in GW Basic. The program will ask you for the path and filename of the file, and will then prompt you for a second path and filename for the new file. In a few seconds, the stripped file is ready for viewing.

A look at the listing will give you a good idea of what it strips out. You can modify the program to strip out large signature files that show up repeatedly if you like, or if you want, you can change it so that it does not strip out something you want to keep. In any case, it does not modify the original file.

At the risk of incurring the wrath of the list cop wannabes, I am including the listing so that anyone who wants it can simply cut and save it, and I won't have to send it out to individuals.

All disclaimers apply...

72,
Norman
KA4PUV

```
10 'A very modest program for qrp-l digest users.

20 'Norman Young, KA4PUV.
30 'Opens a QRP-L digest file that you have saved as a
text file.
40 'Strips out many unwanted lines.
50 'May be modified to suit the user.
60 CLS
70 PRINT : PRINT
80 PRINT "                      QRP-L Digest File
Scrubber"
90 PRINT "                      Eliminates annoying
extra lines!"
100 PRINT : PRINT : PRINT
110 PRINT "          Enter the path and filename of the
file you wish to scrub:"
120 PRINT "                      (For example -
a:qrp-l.txt)"
130 PRINT
140 PRINT "                      "; : INPUT
OLDFILE$
150 PRINT
160 PRINT "          Now enter the path and filename for
the file you wish to create:"
170 PRINT "                      (For example -
a:qrp-cln.txt)"
180 PRINT
190 PRINT "                      "; : INPUT
NEWFILE$
200 OPEN OLDFILE$ FOR INPUT AS #1
210 OPEN NEWFILE$ FOR OUTPUT AS #2
220 'Removes unwanted lines.
230 'You can change to suit your needs.
240 PRINT : PRINT
250 PRINT "Conversion beginning at "; TIME$; "."
260 LINE INPUT #1, A$
270 IF LEFT$(A$, 5) = "Date:" THEN GOTO 260
```

```

280 IF LEFT$(A$, 3) = "To:" THEN GOTO 260
290 IF LEFT$(A$, 11) = "Message-ID:" THEN GOTO 260
300 IF LEFT$(A$, 4) = "MIME" THEN GOTO 260
310 IF LEFT$(A$, 8) = "Content-" THEN GOTO 260
320 IF LEFT$(A$, 3) = "Cc:" THEN GOTO 260
330 IF LEFT$(A$, 4) = "Mime" THEN GOTO 260
340 IF LEFT$(A$, 13) = "YOU'RE PAYING" THEN GOTO 260
350 IF LEFT$(A$, 8) = "Juno now" THEN GOTO 260
360 IF LEFT$(A$, 12) = "Try it today" THEN 260
370 IF LEFT$(A$, 13) = "http://dl.www" THEN 260
380 IF LEFT$(A$, 14) = "Get free email" THEN 260
390 IF LEFT$(A$, 12) = "Do You Yahoo" THEN 260
400 IF LEFT$(A$, 20) = "Talk to your friends" THEN 260
410 IF LEFT$(A$, 19) = "http://im.yahoo.com" THEN 260
420 IF LEFT$(A$, 16) = "Get Your Private" THEN 260
430 IF LEFT$(A$, 23) = "Share information about" THEN
260
440 IF LEFT$(A$, 19) = "http://profiles.msn" THEN 260
450 IF LEFT$(A$, 10) = "Get Yahoo!" THEN 260
460 IF LEFT$(A$, 17) = "http://mail.yahoo" THEN 260
470 PRINT #2, A$
480 IF EOF(1) THEN 500
490 GOTO 260
500 CLOSE #1
510 CLOSE #2
520 PRINT "Conversion completed at "; TIME$; ". "
530 PRINT NEWFILE$; " is now ready to load and read.
Enjoy!"
540 END

```

```

-----
Do You Yahoo!?
Yahoo! Messenger - Talk while you surf! It's FREE.
http://im.yahoo.com/

```

```

-----
Date: Tue, 17 Oct 2000 03:11:36 -0000
From: "Mark Hogan" <mhogan@email.msn.com>
To: <Shephed@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81438] Re: FOX: Winter Hunt Schedule and Rules
Message-ID: <002e01c037e7$f6adeb20$9ee90181@cityweb.gov>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

```

OK tat one is too darn good...

I'm joining the club NOW. Will it keep those pesky whiners away

N50BC

----- Original Message -----

From: <Shepherd@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, October 16, 2000 7:07 PM

Subject: Re: FOX: Winter Hunt Schedule and Rules

> Ok, here is the sight, we might be able to do a group buy here.

> <http://www.tinfoilhats.com/>

>

Date: Mon, 16 Oct 2000 23:23:08 -0400

From: "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>

To: qrp-l@lehigh.edu

Subject: [81439] PSK31(DigiPan) and TenTec Argo 556???

Message-ID: <4.2.2.20001016231355.00a2dbf0@mail.surf.free.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Has anyone had any success using PSK31(specifically DigiPan) with a tenTec Argo 556(QRP rig)? I'm using an interface I bought from one of DigiPan's authors(Howard Teller, KH6TY). It keys the rig just fine, but max power out of the rig is stuck at about three fourths of a watt. Doesn't change up or down no matter how I change the PC volume controls(Win 95). or interface level control. I've emailed KH6TY, and ran some tests for him. But nothing seems to make a difference(I get good audio out of the interface, and have adjusted voltage out of it to 5mv per TenTec specs for mic input.) Appears the audio level may be clipped some where, but darned if I know where.

Any guesses on what may be happening would be appreciated.

72 de N8PVZ

---bernie

Bernard F. Gaffney, Jr. N8PVZ

MI-QRP# M-1152 QRP-ARCI# 9446

n8pvz@arrl.net
<http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/>
Searching for Gaffney, Gascho, Moers, and Hetzer

Date: Mon, 16 Oct 2000 22:32:39 -0500
From: "George, W5YR" <w5yr@att.net>
To: dave_pomeroy@voyager.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [81440] Re: AM broadcast radio
Message-ID: <39EBC857.3F4A28D5@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One word - DON'T . . .

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Dave Pomeroy wrote:

>
> Gang,
> My wife found a house she wants to buy next to a 5KW 1360Khz broadcast
> station. I'm looking for any advice or experience having to do with
> this situation. I'm wondering if everytime I turn my beam on my tower
> toward Europe I'm going to get my receiver overloaded. Any advice or
> info.
> Thanks in advance.

Date: Mon, 16 Oct 2000 23:45:45 -0400
From: n4qa@juno.com
To: qrp-l@Lehigh.EDU
Subject: [81441] Re: AM broadcast radio
Message-ID: <20001016.234549.-192257.0.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For the love of GOD, man... don't move there :)

Even if the ambc station's xmtr and antenna installation are really clean, you're looking at TROUBLE... especially if your antenna winds up in the nearest tower's induction field.

Then, again, if it's that close, you might be able to "borrow" enough power to run your QRP rig!

I used to live a quarter-mile from a 5kw stn operated on 1460. They came in real good on our stove eyes and other household appliances. This was when I was a kid and Dad was the station eng'r there. I used to wait for him to shut that xmtr down at midnight which was when I could hear DX stations like WFAA, Dallas, KLRA, Little Rock, WHO, Des Moines, WLS, Chicago and, of course, all the big stations east of the Mississippi from here in SW VA on my crystal set... a perfboard affair into which plugged "all" the components which were mounted on little yellow plastic pieces with metal pins at the ends for interconnections... Man! I wish I had preserved that little jewel.

Anyway, talk about a radiation safety survey at your possible new QTH...sheesh !

Show the little woman a nice place waaaaay out in the country, man !

Good luck & 73-1,

Bill, N4QA

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 16 Oct 2000 21:17:17 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: "Chuck Adams" <k7qo@primenet.com>

Cc: <qrp-1@lehigh.edu>

Subject: [81442] Re: Warbler: KI6DS wants 2!!

Message-ID: <01c037f1\$22b66a40\$330b0d0a@dhendricks>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dang it Chuck. You let the cat out of the bag!! Here I have figured out a way to get it right, and you spoil my secret.

Guys, Chuck Adams is a master builder, and does Manhattan Style really well. He is the defending champion, and will be there to defend his honor and title. By the way Chuck, not to let the cat out of the bag, but the rig I think you built Manhattan style was featured in the second issue of QRPP!! That is a loooooooooooooong time ago. It is a classic rig and a great design.

If you did build that rig Manhattan Style, I want first dibs on the article and the layout!! We'll have to "talk" at QRPacificon. JayBob says don't forget his Red Hot, give Phyllis a kiss and a hug for me, (plus don't forget to tell her that she makes the very best chocolate desert in the world, worth dying for. JayBob's boy still talks about it. He is ruined for life. Grin)

Chuck is also right about how it is worth it to come to one of these things. There is no substitute for visiting with your friends and meeting new ones. The SMK-1 contest Friday night will be a hoot and a holler, and the building contest Saturday night is worth an all night drive to get here, I'm serious. Can't wait to see all of you, and by the way, several of us are arriving Thursday night at the hotel. Chuck Adams, JayBob Bromley, Sir Tony Fishpool, Lord Graham Firth, Dave Yarnes, George Heron and I will all be there on Thursday. Brian Kassel and Steve Shroeder have also shown up a day early in past years. Hope that they can make it early again.

Also, don't forget to bring a couple of extra \$5 bills to enter into the St. Aidan's Church Fundraiser Raffle. Lots of great prizes and all proceeds to St. Aidan's Church in Rochdale, England (George Dobbs, G3RJV is the Vicar there.) I got 4 entries in the mail today, and will not leave Thursday until the mail arrives so that I can be sure to get any late entries. Plus, I will call JoAnne Friday and get any that I miss so you will make the drawing!! Here is a list of the prizes, all of which will go to 1 grand prize winner!!

- 1 Epiphyte 3 Kit
- 1 K1MG Blue Sky Engineering Kit to go with Epiphyte 3
- 1 Tentec Case for Epiphyte 3
- 1 SMK-1 Kit
- 1 SMK-1 Case Kit
- 1 NorCal BLT Tuner Kit
- 1 VE3DNL Kit
- 1 P-TiCK
- 1 SOP Receiver Kit
- 1 Tuna Tin 2 Transmitter Kit

Man I can't wait for the fun to begin! 72, Doug, KI6DS

Date: Mon, 16 Oct 2000 23:20:09 -0500
From: "Marty Purselley" <brewer@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [81443] Re: PSK31(DigiPan) and TenTec Argo 556???
Message-ID: <003501c037f1\$89d8b2a0\$46bafea9@mlp>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use digipan with an Argo 556, but my interface is the Rigblaster. I've had good results. You will find that the radio tends to drift a bit, but not too much. Try setting the mic gain on the 556 at half. Then adjust the audio properties of the sound card. You can get an idea how much you are driving the 556 by looking at the ALC indicator.

73s, Marty AA5UN

----- Original Message -----

From: Bernard F. Gaffney, Jr. <n8pvz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, October 16, 2000 10:23 PM
Subject: PSK31(DigiPan) and TenTec Argo 556???

> Has anyone had any success using PSK31(specifically DigiPan) with a tenTec
> Argo 556(QRP rig)? I'm using an interface I bought from one of DigiPan's
> authors(Howard Teller, KH6TY). It keys the rig just fine, but max power
out
> of the rig is stuck at about three fourths of a watt. Doesn't change up or
> down no matter how I change the PC volume controls(Win 95). or interface
> level control. I've emailed KH6TY, and ran some tests for him. But nothing
> seems to make a difference(I get good audio out of the interface, and have
> adjusted voltage out of it to 5mv per TenTec specs for mic input.) Appears
> the audio level may be clipped some where, but darned if I know where.
>
> Any guesses on what may be happening would be appreciated.
>
> 72 de N8PVZ
>
> ---bernie
>
>
> Bernard F. Gaffney, Jr. N8PVZ
> MI-QRP# M-1152 QRP-ARCI# 9446
> n8pvz@arrl.net
> <http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/>
> Searching for Gaffney, Gascho, Moers, and Hetzer
>
>
>

Date: Mon, 16 Oct 2000 23:30:26 -0500
From: Robert Perkins <rperkins@gte.net>
To: tdufres@radiks.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81444] Re: Kitchin's regen Receiver
Message-ID: <3.0.5.32.20001016233026.008829c0@mail.gte.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I read with great interest Kitchen's article in the latest QEX. In that article he references a board from FAR Circuits. On the FAR web site there are two links neither of them reference the QEX article. I cannot tell if the two articles mentioned and the latest QEX all use the same board. The basic circuit layout is similar so at \$5 each I guess I can take the proverbial shot in the dark unless someone has something illuminating to tell me.

At 12:55 AM 10/16/2000 -0500, TC Dufresne wrote:

>Howdy: Just got the bug again... I was going to build the regen receiver a
>la QST/NJQRP, but then I saw Kitchin's web page. The radio he describes on
>his web page looks like the QST version times 10! It looks real neat.
>1) Has anyone here built it? (the N1TEV page one)
>2) Is it worth it to do his web page version, or just the version on
>QST/NJQRP?
>It looks like a neato receiver for my 40 m QRP homebrew projects...
>Ideas? Comments?
>KCOGXX
>
>
>

Date: Mon, 16 Oct 2000 22:28:41 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81445] Thanks! Tickets at the door...
Message-ID: <00e401c037fb\$1d5e1d40\$8e241ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded...will pick up Pacificon tickets upon arrival...

73 John K7FD

Date: Tue, 17 Oct 2000 06:52:15 +0000
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [81446] AM BC RFI Problem?
Message-ID: <20001017.065324.-250733.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

This WORKS . . .

Ed Wetherhold's (W3NQN) "BC Band Energy Rejection Filter" . . .
Installed with coax between your antenna and XCVR . . .
This filter works BEST when the XCVR has a metal enclosure and earth
ground.

Feb '78 QST and '90 ARRL HB to name a few.

John
N3AAZ
FM19xa

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 17 Oct 2000 08:25:43 -0400
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [81447] Re: milliwatt measuring?
Message-ID: <20001017.085941.-155989.0.N2TPA@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

I have some trouble trying to measure power using a scope. Using the
formula :

ExE/R where E=.707pk

usually yields me a value that is simply way too high. Is my formula wrong, or could the capacitance of my scope probe be causing errors?

73,

Bill
W2EB
Syracuse, NY

Fran Flynn writes:

>
> When I need to measure power at that low a level I have to hook up
> my Tek 465 scope and measure p-p voltage into a 50ohm load, then
> punch
> numbers on a calculator for a little while.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 17 Oct 2000 09:21:04 -0400
From: George Murphy <VE3ERP@ENCODE.COM>
To: qrp-l@lehigh.edu
Subject: [81448] Hamcalc
Message-ID: <4.3.2.7.0.20001017085644.00aaad20@ENCODE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

TNX to all for your interest in Hamcalc brought about by Bob Kellogg, AE4IC, letting the cat out of the bag. To all those who have requested copies they will be airmailed as fast as I can make the CD's and package them. Keep your eye on the sky for an airmail biplane towing a banner reading "BASIC Still Lives, In Spite Of Bill Gates!".

To answer frequently asked questions:

1. GWBASIC is included and gets loaded along with Hamcalc. Once you have it installed it opens a whole new world for all you exclusively Windows nerds and geeks.

2. You run Hamcalc directly from Windows. Actually, you are running BASIC in Windows' integral version of MS-DOS, but you will never know the

difference. I sneaked this past Bill Gates' Protocol Police.

3. Hard copy instructions are included with the CD.

4. My postal address is displayed on the opening screen when you run the program.

-73- Murph VE3ERP

Date: Tue, 17 Oct 2000 09:38:30 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <fflynn@together.net>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [81449] RE: milliwatt measuring?
Message-ID: <000c01c0383f\$898d2e40\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fran:

A simple wattmeter is shown at <http://www.eham.net/articles/1024#comments>.
You should be able to duplicate one of these in an evening or two.

GL es 73, AI2Q, Alex in Kennebunk, Maine, QRP-L #687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Fran Flynn
Sent: Monday, October 16, 2000 9:10 PM
To: Low Power Amateur Radio Discussion
Subject: milliwatt measuring?

Larry S Cahoon <wd3p@juno.com>, wrote:

...
> I did go
> up to 500 mWatts a few times. I went down to 10 mWatts for one QSO. The
> main rig was the Sierra on 40 meters.

When I need to measure power at that low a level I have to hook up
my Tek 465 scope and measure p-p voltage into a 50ohm load, then punch

numbers on a calculator for a little while. It seems like you must have a more convenient means of getting a power measurement. What's an easy way to measure milliwatts?

Thanks!

Km1z - Fran

Date: Tue, 17 Oct 2000 10:22:36 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: <Zoerb.Ron@broadband.att.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81450] RE: Antenna Comparisons
Message-ID: <1000917102235.KAA12835@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 10/16/00 6:29 PM, Zoerb, Ron at Zoerb.Ron@broadband.att.com wrote:

>Quoting Allan's (K7GT) earlier posting:
>
> On higher bands,
>horizontal beats verticals in almost all situations, by ~1 S unit,
>perhaps more. And a good beam will add a bunch more to that.
>
>73 and put up horizontal antennas above the 30m band!!

This isn't necessarily true!

Horizontal and Vertical antennas work differently against ground. It's possible to put up effective Horizontal antennas below 30m, as well as effective Vertical antennas above 30m.

I'll point to an example. At NQ4I, Rick has a 2-element 80m yagi at 140 feet. He and W4AN did some tests not terribly long ago against W4AN's 4-square (a phased array of 4 vertical antennas). The 2-element yagi was clearly superior to the 4-square. This violates Allan's rule. Why?

The basic problem is this -- for horizontal antennas, the single most important dimension is the height above ground in WAVELENGTHS. That same 2-element 80m yagi wouldn't be as effective an antenna at 50 feet. In fact, 140 feet is about the MINIMUM height for this beast, as that's only half a wavelength at 80m. 3/4 or a whole wavelength would be better, but that's 210-300 feet(!). That's not easy. (Although last contest season, KC1XX had an 80m quad STACK at 300/150 feet, pointed at Europe. See:

<http://lists.contesting.com/_3830/199911/0070.html>)

Vertical antennas work differently. Quarter wave verticals don't have to be very high above ground, but they work against ground. So, they either need a good ground, or an effective set of radials on or above ground. Half wave verticals work a little differently, but they suffer from ground losses if mounted too close to the ground.

So, either antenna type can work effectively. The key determinant to effective antennas is putting signal where you want it. This counts not only in azimuth, but in elevation.

A horizontal antenna, close to the ground, radiates mostly straight up. As this antenna is moved away from the ground, radiation straight up tends to go away, and the lobes move toward the horizon.

Vertical antennas behave the same way. A quarter wave vertical with a lossy ground plane radiates much higher in elevation than one with a good ground plane.

So, it isn't so much horizontal works better above 30m, but that's it becomes easier to mount horizontal antennas high enough to make them effective. Similarly, it's a lot of trouble to lay down radials for vertical antennas, but they can make effective antennas on the low bands, where really tall supports are impractical.

I suppose the rule of thumb, if you can place the antenna at least 1/2 wave off the ground, go horizontal. If not go vertical.

So far we've been talking about DX antennas. Sometimes you want to work stuff close in, in that case, a low horizontal antenna may be very effective, since it radiates more stuff straight up. On the low bands, this high-angle radiation is where you find close-in signals.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
-- Archibald Asparagus, VeggieTales

Date: Tue, 17 Oct 2000 07:47:31 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: njqrp@njqrp.org
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [81451] RE: [NJQRP] Re: Warbler: KI6DS wants 2!!
Message-ID: <XFMail.001017074731.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

I'm waiting to see if VQS offers them at 1/2 price ; -)

John W2AGN

On 16-Oct-00 George Heron N2APB wrote:

> Thank you all for the interest. PSK31 is a very cool mode, and it's now
> even easier to get on it with another very cool NN1G design.
>
> 73, George N2APB

Date: Tue, 17 Oct 2000 10:48:27 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: NJ QRP Club <njqrp@njqrp.org>, NoVa QRP group <NoVaQRP@topica.com>, QRP-L
<qrp-l@lehigh.edu>
Subject: [81452] 10m is HOT this morning!!
Message-ID: <39EC66BA.37CAA79E@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang -- get on 10m -- lots of European stations booming in this morning.

Jake -- N4UY
Vienna, VA
(Wash DC suburbs)

Date: Tue, 17 Oct 2000 09:47:29 -0700
From: Robert G Seymour <bobsey1@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [81453] Re: Shack cleaning
Message-ID: <20001017.094733.-186033.4.Bobsey1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded. The early birds have been notified but will keep others just in case.

Everything is gone except the OHR 100A which I will ship for \$75.00.
Thanks again.
Bob, WOLK in Arkansas

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 17 Oct 2000 10:51:24 -0400
From: Stephen Trier <sct@po.cwru.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81454] Re: milliwatt measuring?
Message-ID: <3.0.5.32.20001017105124.00946570@rabbit.cwru.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bill,

That's the formula I use, but I use it in a modified form:

$$P = \frac{V_{pp} * V_{pp}}{8 * R} \quad (\text{where } V_{pp} \text{ is the peak-to-peak voltage measured across } R)$$

This version moves the .707 factors and pk-pk to pk conversions into the denominator, which makes it easier to compute by hand if one doesn't have a calculator handy.

I can't tell you whether the capacitance of your scope probe would cause errors, except that if your 50 ohm load is purely resistive, the added capacitance from the scope probe would make the numbers come out too small, not too large.

Were you using the peak-to-peak voltage instead of the peak in your formula? That would give an answer four times too large.

I've had good results with this technique. For low power, I use one of those little pass-through 50 ohm loads with a male BNC on one end and a female BNC on the other. It perches right on the scope's input connector and minimizes stray reactance. Loads like this are \$5-\$25 at hamfests, where they're usually mixed in with the coax adapters and attenuators.

For higher powers, I use a BNC T connector on the scope, with one side connected to the 50 ohm load with as short a cable as possible and the other side cabled to the rig.

If you are lucky enough to have a scope with 50 ohm inputs, you could use those for the most accurate results. Since 50 ohm inputs are easily damaged by too much power, I use an external load with a high-impedance input instead.

Stephen

--

Stephen Trier
Technical Development Lab
Cleveland FES Center
sct@po.cwru.edu / KG8IH

Date: Tue, 17 Oct 2000 09:06:16 -0600
From: William R Colbert <w5xe@juno.com>
To: dave_pomeroy@voyager.net, w5xe@juno.com, qrp-1@lehigh.edu
Subject: [81455] Re: AM broadcast radio
Message-ID: <20001017.090617.-452125.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

sorry if this is a repeat - my mailer shows it never got out.

I can only echo the words of George and Bill in capital letters - if you still have a choice - DON'T. I live about 100 meters from a 5 kw broadcast station, with a 4 tower array, operating on 600 Khz, and have done some engineering for the station in the past. Originally it was operating with a Collins 20w1 transmitter, and for backup a 2.5 kw Sparta. The tube transmitters have within the past couple of years, changed to a 5 kw solid state transmitter. The White noise interference increased substantially when that happened. The 3rd(1800),6th (3.6), 7th(7.2) and 15th (9.0 Mhz)harmonics are particularly bothersome. When the changeover system relays hangs up, the white noise generated is so bad it modulates the powerline noise and you can see it in the tv systems, off air, cable particularly, and in my case into the DBS satellite system. Makes operating very difficult. Oh, the voltabe measured on my inverted vee and other antennas was in excess of 30 volts - risidual rf pickup from the station antennas. When they go directional,

the main lobe shifts over to the southwest, to protect some station up in Nebraska, and is right over my place. The only possible saving grace is the lightning protection provided by the umbrella effect of the towers.

So, you now know about some of the items you can look forward to. I can assure that if there had been a choice, I would not have chosen this place to move my house. Oh, if you have a fence, make sure it is well grounded to keep the rf off as well.

73

Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Tue, 17 Oct 2000 09:43:27 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [81456] Butternut vertical
Message-ID: <Pine.LNX.4.10.10010170937200.1141-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the model HF2V antenna and it's up just like they suggest in the paprs that came with the antenna. I have just 1 40 meter radial and it seems like that's what they call the minimum good one. They suggest 1 for 80 and 1 for 40 meters.

But with just 1 40 meter radial the swr never gets lower than 3 to 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one of these antenna's that's working right?

I'm about to pull all coils off the sucker and feed just the 32 feet of aluminum. It should be close to 40 meters and that's what I want the thing for.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 17 Oct 2000 09:09:53 -0700
From: Jim Lowman <jmllowman@ix.netcom.com>
To: cqdx@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [81457] Re: Pacificon Tickets?
Message-ID: <39EC79D1.B50AD8B0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John, it's been my experience that the Pacificon organizers do not send out confirmations. The first time that we attended, three years ago, we were sort of holding our breath; not because we were worried about Pacificon registration itself, but because we wanted to be sure that we were signed up for the antenna forum.

There has never been a problem with either...just step up to the registration desk for Pacificon, located near the registration desk for the Sheraton, and pick up your packet.

With the low cost of registration at Pacificon, sending confirmations gets a bit expensive, even at the postcard rate. In fact, for the SW Division Convention in Riverside next year, I am trying to encourage our registration committee to use e-mail. Of the 97 pre-registrations at Scottsdale the weekend before last, only 9 did not indicate an e-mail address.

CUL and CU there.

72 de Jim - AD6CW

K7FD-N7SG wrote:

>
> Has anyone gotten theirs yet? Haven't seen anything here...
>
> 73 John K7FD

Date: Tue, 17 Oct 2000 09:16:09 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [81458] ARCI QSO Party (& others) this weekend
Message-ID: <20001017161609.6539.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

This weekend will be really FULL! Hopefully decent
condx, no attack from the Sun!

There are too many contests I want to play in! The
Arkansas QSO party, ARCI QSO party, JARTS WW RTTY
contest, etc etc!

The Arkansas QSO party even includes psk31! What will
I do!? hi

I'll have to pick and choose. Or maybe just try a
little bit of each one? Maybe

For sure the ARCI party will be great, as always.
Here's the webpage for the rules, and contest times.

<http://personal.palouse.net/rfoltz/arci/fall.htm>

Have fun people

Jim KJ5TF
"All Milliwatts, All The Time"

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Yahoo! Messenger - Talk while you surf! It's FREE.
<http://im.yahoo.com/>

Date: Tue, 17 Oct 2000 12:15:23 -0400
From: ekwik@rtimail.com
To: qrp-1@Lehigh.EDU
Subject: [81459] Michigan QRP Net
Message-ID: <0F32D25090.2598B320-0N8525697B.0058C005@rps.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

OK. The MI QRP net meets each Tuesday night at 3.535 MHz at 9:00 PM Eastern time. NCS will be AB8DF. All check ins are welcome.

TNX

Ed AB8DF

Date: Tue, 17 Oct 2000 11:18:06 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'k5di@zianet.com'" <k5di@zianet.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81460] RE: Butternut vertical
Message-ID: <E78D8A9D6762D411B5440008C791D4AA01303120@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

As one "Karl" to another "Karl", I find it hard to believe that Butternut (now Bencher-owned) would recommend only one radial for each band (40M or 80M). Nonetheless, how are you feeding your antenna? Directly with 50-ohm coaxial cable or something other? Are you using a current-fed balun at the feedpoint?

Is your antenna ground-mounted or elevated (such as on a roof top)?

One thing is for sure, Karl: You need more radials for *whatever* band you're operating, even if the antenna is elevated.

If all you wanted was 40M operation in the first place, your better solution would have been to buy a few lengths of telescoping tubing from Texas Towers in Plano and built your own vertical -- even then, Karl, you'd really need to put down a lot of radials for the vertical, regardless of the band of operation.

Radials..... radials..... radials..... radials....radials! Get the message?

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Karl F. Larsen [SMTP:k5di@zianet.com]
> Sent: Tuesday, October 17, 2000 10:43 AM
> To: Low Power Amateur Radio Discussion
> Subject: Butternut vertical
>
>
> I have the model HF2V antenna and it's up just like they suggest
> in the paprs that came with the antenna. I have just 1 40 meter radial and
> it seems like that's what they call the minimum good one. They suggest 1
> for 80 and 1 for 40 meters.
>
> But with just 1 40 meter radial the swr never gets lower than 3 to
> 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one
> of these antenna's that's working right?
>
> I'm about to pull all coils off the sucker and feed just the 32
> feet of aluminum. It should be close to 40 meters and that's what I want
> the thing for.
>
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 17 Oct 2000 09:37:12 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [81461] For Sale @ Pacificon
Message-ID: <01c03858\$80767be0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Syd Furman is not a member of this list. He asked if I would post the following for him, which I have.

QRPers coming to PACIFICON

I have to become inactive with QRP. Have the following for sale at PACIFICON.

Norcal Sierra transceiver, with KC1 and modules for 40m, 20m and 15m. All components installed but rig never tested.

Four small transceivers, e.g., 49 er special

St. Louis Vertical antenna

Kent twin paddle

Polished twin paddle, super finish

MFJ keyer/paddle

The PACIFICON swap meet starts at 6:00 am (Saturday only) and I'll be occupied organizing it until 10:00. At this time I'll set up a table near the snack bar to display these items. I'll probably have to get back to the swap and shut down my table at 11:30. If I'm hard for you to find ask any of my friends at the snack bar. Try to hold off on breakfast at the hotel and try the breakfast burrittos at the swap meet.

I know you'll enjoy the convention. Many of us have gone to a lot of work to make it pleasurable for you.

Best regards,

Syd

Date: Tue, 17 Oct 2000 11:38:05 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81462] Re: Butternut vertical
Message-ID: <39EC806D.CD3F08@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl, despite some marketing hype re the need for few radials, I believe that the Butternut verticals require a substantial radial base in order for the tuning coils to work properly. I suspect that is why you are seeing large input SWR readings with only one radial.

I have used the HF6V and presently have the HF9V. The 6 was used with only five radials laid on the ground. Performance was acceptable but hardly spectacular. Input SWR was, as one would expect, very low due to ground loss resistance.

The HF9V operates over 60 radials mounted just below the turf. I originally had a full-size 40-meter vertical mounted there. The input SWR was right on the button for about a 36 ohm input resistance at resonance and 50-ohm coax, so I concluded at the time that the radials were doing their job.

When I replaced the vertical with the HF9V it tuned up very well and seems to be working as well on 40 as the original monoband vertical. Input SWR on each of the bands is very good, but it is difficult to sort out how much of that is due to the radial base and how much is due to the various resonances and tuning mechanisms of the antenna.

My feeling is that any ground mounted vertical antenna of any kind requires as extensive a radial base as can be feasibly installed. I am probably somewhat overboard with 60 radials, as 30 would probably be just as effective. I based my design choice on the work on Jerry Seveck, W2FMI, who did some pioneering work in the 70's on this subject for amateur installations. He found that 60 radials would reduce ground losses by about 3 db with negligible improvement to be had with doubling that number. His findings are supported by other workers in that area.

I think that it would be interesting for you to toss out half a dozen more 40-meter radials on the ground and see how that affects your tuning adjustments and SWR readings.

BTW, Jerry found that with a fairly large number of radials their length is not that critical. That is, a length of 0.2 wavelengths was equally effective with 60 radials as was 0.25 or even longer. In general, the more radials that are used, the shorter they can be. Only in the case of a few radials - 10 or less - is their length appreciably important.

In any case, ground mounted radials do no function in a resonant mode, so there is little to be gained by meticulous measurement and attempts to "tune" the ground radials and then laying them on the ground or burying them. Burial beyond an inch or two to avoid turf problems has not been found to be worthwhile. In fact, deeply buried radials are less effective than those on the surface or shallow-buried. Not so, however, for elevated radials which must be resonant and can be profitably tuned after installation for best effect.

I hope these comments are of some interest and help.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

"Karl F. Larsen" wrote:

>

> I have the model HF2V antenna and it's up just like they suggest
> in the paprs that came with the antenna. I have just 1 40 meter radial and
> it seems like that's what they call the minimum good one. They suggest 1
> for 80 and 1 for 40 meters.

>

> But with just 1 40 meter radial the swr never gets lower than 3 to
> 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one
> of these antenna's that's working right?

>
> I'm about to pull all coils off the sucker and feed just the 32
> feet of aluminum. It should be close to 40 meters and that's what I want
> the thing for.
>
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

--

Date: Tue, 17 Oct 2000 12:45:23 -0400
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [81463] RE: Kitchin's regen receiver
Message-ID: <002901c03859\$a7b9f280\$6953fc9e@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy fellow QRP'ers:

Following up on this thread, I recently purchased a FAR circuit board for a Kitchin regen receiver from a QRP-List member. The schematic is in the NorCal QRPp Summer 1999 edition. The circuit has a 2N2222 as an RF amp with an MPF102 as the regen detector/Armstrong type with tickler winding and uses a "throttle capacitor" for regen control.

While I haven't yet stuffed the board, I did check the board holes/traces against the schematic. All appears to be OK except for a bypass cap, C7, .01 mfd. There do not appear to be holes in the board for this cap. However, it can be simply soldered in place on the underside of the board.

There have been other Kitchin regen receivers printed up recently...the most recent in the September 2000 issue of QST but this is the Hartley oscillator/detector version. It appears that there are two different circuit boards for two different Kitchin regens, one using an Armstrong oscillator/detector and RF amplifier with the other using a Hartley osc/det and no RF amplifier.

Hope I have the above right....don't want to further confuse what might be a confusing situation.

I've breadboarded the Hartley type (no RF amp) Kitchin regen receiver and it works great for such a simple receiver.

Perhaps we can get feedback/comments on both of these Kitchin receivers??

73, Joe W2KJ (North
Carolina)\

I QRP, therefore I am.

Date: Tue, 17 Oct 2000 12:56:47 -0400
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [81464] Re: WBL V22 Iambic paddle
Message-ID: <004c01c0385b\$3d6b5e80\$6953fc9e@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Unfortunately, I was one of many apparently wasting several months on the order list for a WBL V22 paddle. While I am very happy with the 3 Benchers I have been using for years, like any CW op I have wanted to try something new, whence the WBL order.

So, I am hoping that some generous soul who might have a spare WBL V22 or someone who just doesn't like the paddle would offer one up for sale/trade to me. I don't even know if this paddle is any good....I bought a Square Racer a while back and just couldn't get used to it...but would like to give a WBL a try.

Anyone out there that can help out????

vy 72, Joe W2KJ (North Carolina)

I QRP, therefore I am.

Date: Tue, 17 Oct 2000 10:09:30 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81465] Re: Antenna comparisons
Message-ID: <20001017170930.18718.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

allan, thanks for posting the comparative data!

however, i believe you need more data to determine horizontal is better than vertical. as others have already wrote - it all depends. although i might agree a dipole at 50 feet for 10m would easily beat the R5.

i will share my own R5 experience: mine works great on 20 meters - better than i would expect compared to my dipole. but it has disappointed me on 10m - my quad typically beats it by 2-3 S-units and sometimes 4-5. I suspect with a complex antenna like the R5 radiation angle may be a function of frequency. also this "ground independent" antenna may be dependant upon circumstances - mine is mounted on a 1.5 story metal sided shed that just might favor 20m at low radiation angles.

--- Allan G Taylor <k7gt@qsl.net> wrote:

> While operating over lunch break today at the club
> station I had an
> opportunity to help a friend do some relative
> antenna measurements.
> They were quite astounding and so I thought they
> ought to be shared.

>

> Band: 10m Path: northern CA to Cayman Islands
> (K7GT to ZF2NT)
> 'Listening' antenna: KLM KT34XA.

>

> Antenna 1 'Forward' S7.2
> 'Reverse' S3.0

>

> Antenna 2 S3.3

>

> Now do you want to guess what the antennas were?

>

> Antenna 1 is a KLM 5 el monobander at 50 ft

>

> Antenna 2 is a Cushcraft R5.

>

> The actual measurements above were taken on an

> OmniVI+ with the
> -20 dB attenuator to get the strengths onto the
> middle of the S-meter.
> I didn't ask Bruce what power he was running
> (suspect 100W, though, as
> I got about the same signal report from him at first
> --599+ both ways
> and I was at 100W)
>
> Another quickie test he did was to slightly turn the
> beam (Antenna 1)
> to the North by 30 degrees. The monobander's signal
> dropped about 10
> dB! A narrow antenna to be sure.
>
>
> This most interesting live test just corroborates
> the article by
> N6BT in QST this past summer. That was the article
> using a 100W
> lightbulb as a minimal antenna. With that article
> was a relative
> comparison chart for antennas. Its right on. On
> higher bands,
> horizontal beats verticals in almost all situations,
> by ~1 S unit,
> perhaps more. And a good beam will add a bunch more
> to that.
>
> 73 and put up horizontal antennas above the 30m
> band!!
>
> Allan K7GT
>
> --
> Allan Taylor K7GT Pleasanton/Livermore CA
>
> k7gt@qsl.net or k7gt@aol.com

Do You Yahoo!?
Yahoo! Messenger - Talk while you surf! It's FREE.
<http://im.yahoo.com/>

Date: Tue, 17 Oct 2000 11:28:11 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81466] Re: Butternut vertical
Message-ID: <Pine.LNX.4.10.10010171125480.1324-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi George, well I called Butternut and they said since it's roof mounted I should have at least 4 tuned radials. Did that and the swr is 1.5/1 at 7150 KHz and it works just fine.

On Tue, 17 Oct 2000, George, W5YR wrote:

> Karl, despite some marketing hype re the need for few radials, I believe
> that the Butternut verticals require a substantial radial base in order
> for the tuning coils to work properly. I suspect that is why you are
> seeing large input SWR readings with only one radial.

snip

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 17 Oct 2000 11:33:52 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [81467] RE: Butternut vertical
Message-ID: <Pine.LNX.4.10.10010171129270.1324-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes Karl at least 4 tuned radials seem to be required. I now have a 1.5/1 swr and it works good!

On Tue, 17 Oct 2000, Kanalz, Karl wrote:

> As one "Karl" to another "Karl", I find it hard to believe that Butternut
> (now
> Bencher-owned) would recommend only one radial for each band (40M or 80M).
> Nonetheless, how are you feeding your antenna? Directly with 50-ohm coaxial

> cable or something other? Are you using a current-fed balun at the
> feedpoint?
>
> Is your antenna ground-mounted or elevated (such as on a roof top)?
>
> One thing is for sure, Karl: You need more radials for *whatever* band
> you're operating,
> even if the antenna is elevated.
>
> If all you wanted was 40M operation in the first place, your better solution
> would have been
> to buy a few lengths of telescoping tubing from Texas Towers in Plano and
> built your own
> vertical -- even then, Karl, you'd really need to put down a lot of radials
> for the vertical, regardless
> of the band of operation.
>
> Radials..... radials..... radials..... radials....radials! Get the
> message?
>
> Karl K - W8TIF
> McKinney, Texas
>
> > -----Original Message-----
> > From: Karl F. Larsen [SMTP:k5di@zianet.com]
> > Sent: Tuesday, October 17, 2000 10:43 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Butternut vertical
> >
> >
> > I have the model HF2V antenna and it's up just like they suggest
> > in the paprs that came with the antenna. I have just 1 40 meter radial and
> > it seems like that's what they call the minimum good one. They suggest 1
> > for 80 and 1 for 40 meters.
> >
> > But with just 1 40 meter radial the swr never gets lower than 3 to
> > 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one
> > of these antenna's that's working right?
> >
> > I'm about to pull all coils off the sucker and feed just the 32
> > feet of aluminum. It should be close to 40 meters and that's what I want
> > the thing for.
> >
> > Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 17 Oct 2000 12:32:48 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [81468] Re: Butternut vertical
Message-ID: <39EC8D40.5B1D0164@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great! Glad it worked out for you.

I have read that if the radials are tuned in pairs like a dipole that they are even more effective. Evidently, radial resonance plays a large role in elevated installations.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

"Karl F. Larsen" wrote:

>
> Hi George, well I called Butternut and they said since it's roof mounted I
> should have at least 4 tuned radials. Did that and the swr is 1.5/1 at
> 7150 KHz and it works just fine.

Date: Tue, 17 Oct 2000 13:50:05 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [81469] RE:Butternut vertical
Message-ID: <058CBAE0931FD411B70E00805FCD5D424EB7A2@mailserver2.usan.com>
MIME-Version: 1.0
Content-Type: text/plain

Karl don't strip the coils yet. I have used a Butternut for about 10 years

and have great results with it even on QRP. The best results for me has been raising the base of the antenna off the ground and using the four multiband radials that come as an option kit. The antenna instruction manual has the actual diagrams of the radials so you can make your own if you get some 300ohm TV twin lead from RS.

Currently my antenna is mounted to a board that spans the fork of two limbs of a tree at the 15 foot height. The four radials are connected to the base as normal with the far end tied to twine and going to various places to keep them relatively level.

For four years at another QTH I had it mounted on a short mast at the peak of my roof and the four radials sloping down slightly (15-20 degrees or so). In both cases the bands are better than 2.0 to 1 on all bands and in most cases better than 1.5 to 1. The supplied radial kit only covers 40/20/15/10 so I added 2 each radials for 80 meters (one on each side) and two for 30 meters.

I agree with the other Karl that replied if you have to mount it on the ground go for as many radials as possible but 16 would probably be enough to get it to tune well.

BTW the tuning is time consuming if you don't have an SWR analyzer like the MFJ or Autek. So borrow one if you have to and it will speed up the process and take much less time.

Sam AE4GX Atlanta, GA NOGA

Subject: Butternut vertical

From: Karl F. Larsen (k5di@zianet.com)

Date: Tue Oct 17 2000 - 11:43:27 EDT

I have the model HF2V antenna and it's up just like they suggest in the papers that came with the antenna. I have just 1 40 meter radial and it seems like that's what they call the minimum good one. They suggest 1 for 80 and 1 for 40 meters.

But with just 1 40 meter radial the SWR never gets lower than 3 to 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one of these antenna's that's working right?

I'm about to pull all coils off the sucker and feed just the 32 feet of aluminum. It should be close to 40 meters and that's what I want the thing for.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net

<mailto:k5di@arrl.net?subject=Re:%20Butternut%20vertical> (505) 524-3303 -

Date: Tue, 17 Oct 2000 11:53:45 -0600
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [81470] Re: Butternut vertical
Message-ID: <001201c03863\$3271a400\$de56d9d8@sarcos.com>

An excellent review on vertical antennas can be found at
<http://www.cebik.com/fdim4.html>

This article "Verticals Without Vertigo" by L. B. Cebik cleared up a lot of questions for me.

The author will answer your questions if you email him at cebik@utk.edu .
Give him a few days to get an answer back to you. He was very when I sent him questions.

Hope this helps

Bruce kk7zz

Date: Tue, 17 Oct 2000 13:37:41 -0500
From: Bcieslak@ra.rockwell.com
To: qrp-1@lehigh.edu
Subject: [81471] An SS Logging program
Message-ID: <0FC2BD1298.80AD5400-0N8625697B.006614F6@ra.rockwell.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

For those of you planning on running with us Bulls during the SS next month you might be intereseted in this program I ran across.
A nice SS logging program with some neat features at the typical QRP price of \$0. Check it out.

<http://www.cqp.org/Software-AE6Y.html>

Brian AE9K

Date: Tue, 17 Oct 2000 12:40:58 -0600

From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [81472] F/S Shack cleaning
Message-ID: <000501c03869\$cb8841c0\$64de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale MFJ 9040 MFJ 9020 trancivers. MFJ 971 Tunner and will throw in MFJ 4114 Battery Pack (no power cord) for \$325.00 Also Icom 735 with keyer installed for \$525.00 all items include manuals and shipping and insurance in US. Contact direct or call 208 357 7431 need money for K2 and other QRP stuff Thanks for the BW Cal KF7ET

Date: Tue, 17 Oct 2000 14:55:57 -0400
From: "David E. Shelton" <des@iolky.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [81473] RE: Butternut vertical
Message-ID: <NDBBJEHPNBCOJNOBJDFPKENJCGAA.des@iolky.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl,
I have the Butternut HF2V that I have been using for about 5yr and it works great
mine is mounted to the chain link fence in the backyard, using it as the counterpoise.
It does a very nice job on 40M 1.5:1 or less across the band and 1:1 on about 80kHz of the 80M band. Give the chain link fence or chicken wire/hardware cloth option a try
if the radials are a problem for you.
73,
David, W4DES

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Karl F. Larsen
Sent: Tuesday, October 17, 2000 11:43 AM
To: Low Power Amateur Radio Discussion
Subject: Butternut vertical

I have the model HF2V antenna and it's up just like they suggest in the papers that came with the antenna. I have just 1 40 meter radial and it seems like that's what they call the minimum good one. They suggest 1 for 80 and 1 for 40 meters.

But with just 1 40 meter radial the swr never gets lower than 3 to 1 on 40 and is 2 to 1 on 80 meters with NO radials. Does anyone have one of these antenna's that's working right?

I'm about to pull all coils off the sucker and feed just the 32 feet of aluminum. It should be close to 40 meters and that's what I want the thing for.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 17 Oct 2000 15:04:44 EDT
From: WA6GER@aol.com
To: qrp-1@lehigh.edu
Subject: [81474] Your Epiphyte Kit Order
Message-ID: <ae.be79334.271dfccc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have mailed all received as of yesterday. I had a problem in that some of the priority boxes were the small ones, and in stuffing in the manuals, I may have gotten some adhering to the gum strip in the box top. If so, you will have to tease the manual out, and the margin most likely will become ragged. It will be entirely useable, but not what you paid for.

I regret this, but opted to chance it rather than the indefinite wait for large boxes from USPS.

If you will send your name and address, I will send you another manual.

If you have a missing part, please let Doug know: ki6ds@dospalos.org

Regarding overseas orders, I do everything I can to minimize any customs hassle or duty, and follow any special instructions that you may send.

Those of you who have not remitted, if there is a change of mind, please let me know.

Many thanks,

Cordially,

jim, WA6GER

Date: Tue, 17 Oct 2000 13:09:18 -0600
From: "Alyn Backe" <va6cw@look.ca>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [81475] PSK-80 Warbler
Message-ID: <003101c0386d\$c15d93e0\$13f7aecc@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Any VE5's, VE6's or VE7's ordering the PSK-80 Warbler from the NJ-QRP Club? I've sent my order off already and will need to do some testing in the near future.

(P.S. - Tried to subscribe to qrp-canada reflector and send this message but seems to be a problem with the system. Keep getting 'mail delivery failed' messages. Maybe the qrp-canada managers can look into it.)

73, AL, VA6CW...

Date: Tue, 17 Oct 2000 14:30:59 -0600
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: va6cw@look.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [81476] Re: PSK-80 Warbler
Message-ID: <39ECB703.BD95AE82@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alyn - I mailed the money order for the Warbler and other toys to George yesterday, Monday, October 17th. I'm in Calgary, let's stay in touch and have a qso using the Warbler in the near future.

Cheers
Karl B. Staddon
VE6KBS
CALGARY

Alyn Backe wrote:

> Any VE5's, VE6's or VE7's ordering the PSK-80 Warbler from the NJ-QRP Club?
> I've sent my order off already and will need to do some testing in the near
> future.
>
> (P.S. - Tried to subscribe to qrp-canada reflector and send this message but
> seems to be a problem with the system. Keep getting 'mail delivery failed'
> messages. Maybe the qrp-canada managers can look into it.)
>
> 73, AL, VA6CW...

Date: Tue, 17 Oct 2000 16:37:51 EDT
From: "Mark Adams" <k2qo@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [81477] ARCI QSO Party Teams?
Message-ID: <LC8-LFD14cOUN8gbSAd000000bd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

Is anyone looking for a team member for the party this weekend? I am
available and planning on a solid 15+ hour commitment. Also, my new 3-el
10M HB Beam is working FB :-)

72,
Mark

Mark S. Adams, P.E.
ARS: K2QO The Buffalo Wings Foxhunt Team

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Tue, 17 Oct 2000 13:46:08 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, KB7WW Art Moe <kb7ww@chatusa.com>, Roger Hightower <n7kt@worldnet.att.net>
Subject: [81478] Contest: QRPDUPÉ Program now sends CW from PC
Message-ID: <39ECBA90.B6779DC5@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

I just uploaded version 3.0 of the QRPDUPÉ contest logging program to:
<http://www.dancris.com/~bkassel/index.htm#top>

This latest update now provides for sending CW from the serial (Communications) port of a PC. It uses the standard 1 transistor or opto-isolator circuit off of the DTR pin that many other logging programs use.

From the page:

"This program was developed with just one goal in mind: To provide a very inexpensive contest logging application that is simple to use, and requires no configuration other than typing in your call sign, name etc. Updates will be available for each of the QRP contests, as well as many of the more popular contests that include a QRP category."

"This FREE BETA Version program is intended to allow prospective contest operators to enter the world of QRP contest operating with a minimal learning curve."

The program is still totally free, all I ask is that you send me an E-MAIL and let me know how it performed for you, good bad or indifferent after having used it. If you plan to use it, please try it out well before the contest so that any user-problems may be resolved.

A ReadMe file is included in the QRPDUPÉ.ZIP file that is toward the bottom of the WEB page, and it explains all of the features.

See you all this weekend at the ARCI Fall QSO Party. I will be doing a team effort with the Aluminum Kings and a brand new MAXON 40M wire beam. Conditions looks to be excellent, so PLEASE check 10 and 15M often. I'll be up there calling CQ as often as possible.

Brian K7RE
AZ ScQRPions

Date: Tue, 17 Oct 2000 17:02:48 -0400
From: George Murphy <VE3ERP@ENCODE.COM>
To: qrp-1@lehigh.edu
Subject: [81479] Hamcalc
Message-ID: <4.3.2.7.0.20001017164313.00aa5ba0@ENCODE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I wish to take this opportunity to reply to the many comments I have received as to why I am willing to ship Hamcalc upon e-mail request and trust recipients to reimburse me for my cost later at their convenience.

It is because I believe the QRP community is a closely knit group of common interest hobbyists who would never even consider bilking another ham,

Besides - I haff mein vays! The last guy to renege was a radioman on the U.S.S. Cole.

-73- Murph, the Hamcalc Guy

Date: Tue, 17 Oct 2000 16:34:38 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [81480] Re: Amplifier kit?
Message-ID: <035b01c03882\$0ebc4fa0\$74394d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is an amplifier in QST March 1999 that has an FET power amplifier designed to be driven by QRP rigs. A kit was made to support the article and may still be available.

Mike Branca W3IRZ in Conyers Georgia

Date: Tue, 17 Oct 2000 17:49:40 -0400

From: "Russ Hines" <radioruss@fuse.net>
To: <w3irz@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [81481] Re: Amplifier kit?
Message-ID: <018901c03884\$29eb5120\$2f2044d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out this web page at Caltech:

<http://www.its.caltech.edu/~mmic/reshpubindex/class-e/poweramp.htm>

73,
Russ
WB8ZCC
radioruss@fuse.net
wb8zcc@arrl.net

----- Original Message -----

From: Mike Branca <w3irz@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 17, 2000 5:34 PM
Subject: Re: Amplifier kit?

> There is an amplifier in QST March 1999 that has an FET power amplifier
> designed to be driven by QRP rigs. A kit was made to support the article
> and may still be available.
>
> Mike Branca W3IRZ in Conyers Georgia
>

Date: Tue, 17 Oct 2000 17:57:50 EDT
From: KF4YYD@aol.com
To: <VE3ERP@encode.com>
Cc: <qrp-l@lehigh.edu>
Subject: [81482] Re: Hamcalc
Message-ID: <71.78a6901.271e255e@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I would just like to say that I find your comment about the USS Cole
disgusting and completely out of line. 17 persons die in the service of their

country and you make a sick joke out of it. Not funny at all.

Tom KF4YYD ET2(ss)

Date: Tue, 17 Oct 2000 18:09:23 EDT
From: W1XV@cs.com
To: qrp-1@lehigh.edu
Subject: [81483] F/S: Ten-Tec ARGONAUT II
Message-ID: <aa.be6045b.271e2813@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For sale: a very nice Ten-Tec Argonaut II for \$650 shipped
CONUS. There are no dings, dents or scratches....looks
brand new. Only drawback is a dim digital display which is
common for this rig. Electronically it's perfect. I believe that I
have the small P/S for it somewhere in the cellar. Manual
and box included. If you're interested, please email or call
me in NH at 603-224-5737 no later than 0130Z. Tnx es 72,
Brad W1XV QRP ARCI #4505

Date: Tue, 17 Oct 2000 18:25:44 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@lehigh.edu
Cc: sm5hua@telia.com, kh6b@juno.com
Subject: [81484] Sweden looking for QRP QSOs
Message-ID: <20001017.122548.5391.0.kh6b@juno.com>

Looking for Europe QSOs? :

Peter SM5HUA is looking for QRP QSOs. Peter says:

>Times are 2200-0000Z and say 0400-0600Z and QRG's 14055,
>14042 to start with. If possible, make a note Im running a American
>history station from 1936.

Aloha,
Dean KH6B
Hilo Hawaii

Date: Tue, 17 Oct 2000 18:36:13 EDT

From: DYARNES@aol.com
To: k5di@zianet.com, qrp-1@lehigh.edu
Subject: [81485] Re: Butternut vertical
Message-ID: <80.19406d0.271e2e5d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 10/17/00 10:28:52 AM US Mountain Standard Time,
k5di@zianet.com writes:

<< Hi George, well I called Butternut and they said since it's roof mounted I
should have at least 4 tuned radials. Did that and the swr is 1.5/1 at
7150 KHz and it works just fine. >>

Hi Karl,

I'm just curious--was there nothing in the instructions from Butternut about
needing more radials when it was roof mounted? Like others, I am surprised
that they would advocate only 1 radial, although I have seen some that say
something like "at least one radial per band". They sure do you and other
Butternut owners a disservice by not "leveling" with you about how to get
better performance from your purchase. More than any other manufacturer
category, I think antenna manufacturers shamefully mislead their customers.
They embellish their claims about forward gain and they minimize how much
time and effort you have to put forth to put the antenna up properly ("be on
the air in 5 minutes")! What garbage.

Anyway, If you can put down 20 or 30 more and you'll be glad you did. I
haven't looked at that particular section lately, but the ARRL Antenna
Handbook used to have a very good discussion on radials--how many--how
long--etc. I bet W4RNL's website has some good info too.

Good luck.

Dave W7AQK

Date: Tue, 17 Oct 2000 18:41:25 EDT
From: Drbob92031@aol.com
To: qrp-1@lehigh.edu
Subject: [81486] Many thanks
Message-ID: <df.b1d129e.271e2f95@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

72/73 a million
De WA2EAW...Bob

W6MM's SLV
SD-20 Pole with 40 Meter Coil
Includes Wire, 3 Radials, and Instructions
Cost New \$80 with shipping.
Sell for \$60

MFJ-1774 40 Meter Folded Dipole
Cost New \$35
Sell for \$15

Take both for \$65
I will be at Pacificon Friday and Saturday you
take it off my hands there, no shipping required.

Ed WD7Y

End of QRP-L Digest 1977

